

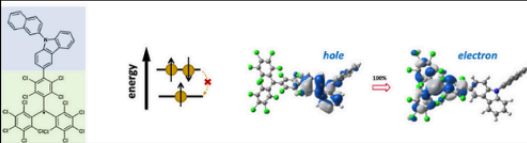


Chem News - October 25, 2024

Today

**27TH ANNUAL
LYLE RAMSAY DAWSON LECTURE**

“Purely Organic Emitters for Organic Light-Emitting Diodes (OLEDs): A Journey through Organic Electronics”



Dr. Jean-Luc Brédas

27th Annual Dawson Lecture

Friday, October 25th at 4:00pm in **CP 155**, The Department of Chemistry presents the Lyle Dawson Lecture Series. This year's speaker is Dr. Jean-Luc Brédas from the University of Arizona, Department of Chemistry & Biochemistry. This year's topic is *Purely Organic Emitters for Organic Light-Emitting Diodes (OLEDs): A Journey through Organic Electronics*. For more information, click [here](#).

Come by CP 114 from 3-4pm to meet the speaker and enjoy snacks!

Upcoming Events

**SUSAN A. ODOM
LECTURE**

**“Chemo-mechanics
in all solid state
batteries”**

Dr. Kelsey Hatzell

Associate professor, Princeton University

Established in memory of Professor Susan A. Odom '03
(1980 - 2021)
UK Chemistry faculty, 2011 - 2021

Susan A. Odom Lecture

Friday, November 1st at 4:15pm in **JSB 121**, The Department of Chemistry Presents the Susan A. Odom Lecture Series. This year's speaker is Dr. Kelsey Hatzell from Princeton University. She will present *Chemo-mechanics in all solid state batteries*. This lecture series commemorates the life and legacy of Professor Susan Odom, an energetic, productive, and driven faculty member in the Department of Chemistry from 2011 to 2021. For more information, click [here](#).

Friday, November 8th at 4:00pm in **CP 114**, Dr. Laurent Nahon from the French Synchrotron Laboratory in Saint Aubin, France, will present *Scientific opportunities in molecular sciences offered by coupling VUV synchrotron radiation with a double imaging electron/ion coincidence spectrometer*. For more information, click [here](#).

Friday, November 22nd at 4:00pm in **CP 114**, Dr. Thuy Duong Nguyen Phan from the U.S. Department of Energy National Energy Technology Laboratory (NETL) will present *Overview of NETL's Low Temperature CO₂ Electrolysis Research*. For more information, click [here](#).

For a list of all past and upcoming events, please visit our [Events Overview](#).

UK Chemistry Alumni: Where Are They Now?

Jonathan Barnes, University of Kentucky undergraduate in chemistry and now professor of chemistry at Washington University in St. Louis

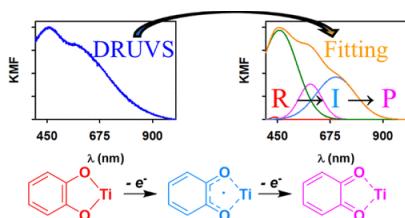


In this photo from 2006 are (back L-R) Chris Fitzwater, me, (front L-R) Don Cho and Suresh Jayasekara. I was working towards my master's degree in Robert Grossman's lab with Suresh, who was pursuing his PhD.

"I generally tell [my] students to follow their passions and continue to work hard in pursuit of their dreams ... These institutions – Northwestern and MIT – seemed so far away from my reality, but I continued to be curious, work hard, and never give up. These traits combined with the right mentors along the way, like Professor Bob Grossman at UK ... helped me grow as a scientist while building up a stronger belief in my abilities."

[Read More](#)

New publication in ACS from Guzman Group



An exciting semiconductor photocatalysis article exploring the photocatalytic decay of catechol on TiO₂ at the air-solid interface is published by the Guzman group

[Read Here](#)

Employment Opportunities

The U.S. Federal Bureau of Investigation (FBI) Critical Incident Response Group (CIRG) is accepting applications for their Visiting Scientist Program (VSP). CIRG consists of a cadre of special agents and professional support personnel who provide expertise in crisis management, hostage rescue, surveillance and aviation, hazardous devices mitigation, crisis negotiations, behavioral analysis, and tactical operations. As a **research fellow** with the Critical Incident Response Group (CIRG) Visiting Scientist Program (VSP), you will enhance your professional development and increase your research capabilities by participating in research initiatives under the mentorship of CIRG research personnel. The VSP will expose you to a work environment in a high security government facility and will provide an opportunity to perform research in areas of interest unique to law enforcement and national security. Applications are reviewed on a rolling basis. For more information and to apply, click [here](#).

The Office of Dietary Supplements (ODS) is seeking a Postdoctoral Fellow for a project entitled, "Healthy Kids, Healthy Force, Healthy Nation." The ODS serves as the lead program office focused on advancing and disseminating research on dietary supplements to foster knowledge and optimize health across the lifespan. This project centers on the role of exercise, dietary supplements, behavioral health, and underlying dietary habits on obesity, musculoskeletal health, and resilience in youth populations, including and especially those who are underserved and experiencing health disparities. Under the direction of a mentor, the fellow will learn how to design, contribute to, and perform timely literature reviews of efficacious well-designed interventions and programs, commentaries or position papers, and novel epidemiological analyses. The goal of these collective research efforts is to draw attention to the pressing need to prioritize prevention health behaviors (physical activity, nutrition, dietary supplement use, and healthy weight), with a frame of whole person health throughout the life course to promote workforce readiness. Applications will be reviewed on a rolling-basis, and mentors will select candidates as projects become available. For more information and to apply, click [here](#).

The Advanced Materials and Manufacturing Technologies Office (AMMTO) is seeking Fellows to engage in existing efforts in material circularity. AMMTO funds research and development that enables and advances circular supply chains through Re-X pathways such as recycling, reuse, repair, remanufacturing, and repurposing. Fellows will provide technical and policy advice on AMMTO's material circularity portfolio and support the team's active project management of existing portfolio. This portfolio spans multiple offices within DOE and will include coordination and collaboration with the Office of Science, Bioenergy Technologies Office (BETO), Strategic Analysis, and others. Additionally, Fellows will collaborate on interagency connections between DOE efforts and the efforts within NSF, EPA, State Department, and Department of Commerce. Fellows will also provide input on analysis efforts and stakeholder engagement that inform and provide direction for future investment in material circularity. This

Fellowship will last one year, with the opportunity to renew for additional years at the discretion of the sponsoring office. Applications are reviewed on a rolling basis. For more information about AMMTO, click [here](#). To apply, click [here](#).

The Joint Office of Energy and Transportation (JOET) is seeking dynamic, innovative Fellows for electric vehicles charging research. JOET applies a collaborative interagency approach to support the investment in, and deployment of, a convenient, reliable, affordable, accessible, and equitable national EV charging network supporting the successful execution of BIL funds for (1) states to build a national EV charging network along corridors, (2) community EV charging, (3) low- and no-emission transit buses, and (4) electric school buses. This Fellowship will last one year, with the opportunity to renew for additional years at discretion of the sponsoring office. Applications are reviewed on a rolling basis. For more information and to apply, click [here](#).

The Office of Critical and Emerging Technologies (CET) is searching for a fellow to collaborate closely with all elements of the CET Office and with relevant DOE program offices across the complex. The CET facilitates an exchange among Departmental entities responsible for the development of critical and emerging technologies to advance Department of Energy (DOE) mission priorities. Emerging Technologies may include but are not limited to artificial intelligence and machine learning, quantum information and sensing technologies, high-performance computing, communications technologies, semiconductors and microelectronics, biotechnology, biomanufacturing, synthetic biology, genomics, pandemic surveillance and detection, advanced materials and manufacturing, and robotics and automation. The fellow will be mentored by the CET Director. For more information and to apply, click [here](#).

The Building Technologies Office (BTO) is seeking innovative fellows to participate in U.S. Department of Energy (DOE) clean energy initiatives. As a Fellow, you will engage and interact closely with BTO staff and National Laboratory scientists on research, development, and deployment of building energy codes and building performance standards to produce significant energy savings across the built environment. Fellows will experience full immersion in the **Building Energy Codes Program (BCEP)** and **Commercial Buildings Integration (CBI)** technical projects and activities, interacting with experts in academia, industry, and at the National Labs. Fellows will also engage a diverse mix of state, local, and non-governmental stakeholders. You may also engage with other programs at the Department of Energy and across the Federal government. This Fellowship will last one year, with the opportunity to renew for additional years at the discretion of the sponsoring office. For more information and to apply, click [here](#).

C&EN Job Opportunities brought to you by the American Chemical Society.



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